

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**EXPRESS MAIL NO. EV826263023US**

Applicant : Glenn Gibson, et al. Confirmation No.2363  
Application No. : 10/552,483  
Filed : October 6, 2005  
Title : NOVEL GALACTOOLIGOSACCHARIDE COMPOSITION AND THE PREPARATION THEREOF  
Grp./Div. : To be assigned  
Examiner : To be assigned  
Docket No. : 56183/S307

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT  
37 CFR § 1.97(b)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Post Office Box 7068  
Pasadena, CA 91109-7068  
April 4, 2007

Commissioner:

In compliance with the duty of disclosure under 37 CFR §§ 1.56, 1.97 and 1.98, and in accordance with the provisions in the Manual of Patent Examining Procedure §§ 609 and 707.05(b), enclosed is FORM PTO/SB/08A/B listing the references that are known to applicant. Copies of each of the listed references are enclosed. This filing is timely because it is made during one of the periods described in 37 CFR § 1.97(b).

It is respectfully requested that the listed references be considered in the examination of this application and identified on the list of references cited on the patent issuing for this application. Applicant also requests that an initialed copy of FORM PTO/SB/08A/B be entered in the application file and returned to applicant with the next communication from the Office in accordance with MPEP § 609.

**Application No. 10/552,483**

The Commissioner is hereby authorized to charge any fees which may be required by this paper to Deposit Account No. 03-1728. Please show our docket number with any Deposit Account transaction.

Respectfully submitted,  
CHRISTIE, PARKER & HALE, LLP

By D. Bruce Prout  
D. Bruce Prout  
Reg. No. 20,958  
626/795-9900

DBP/mac  
Enclosures: PTO/SB/08A/B, w/references

MAC PAS730950.1-\* -04/3/07 5:27 PM

FORM PTO/SB/08A/B (10-01)  
Substitute for PTO-1449A/B

### INFORMATION DISCLOSURE

#### STATEMENT BY APPLICANT

(use as many sheets as necessary)

|                               |                      |
|-------------------------------|----------------------|
| <b>Attorney Docket Number</b> | <b>56183/S307</b>    |
| <b>Application Number</b>     | 10/552,483           |
| <b>Filing Date</b>            | October 6, 2005      |
| <b>Applicant(s)</b>           | Glenn Gibson, et al. |
| <b>Group Art Unit</b>         | To be assigned       |
| <b>Examiner Name</b>          | To be assigned       |

### U.S. PATENT DOCUMENTS

| EXAMINER INITIALS | Cite No. <sup>1</sup> | DOCUMENT NUMBER<br>Number - Kind Code <sup>2</sup> (If Known) | PUBLICATION DATE<br>MM-DD-YYYY | NAME OF PATENTEE |
|-------------------|-----------------------|---|--------------------------------|------------------|
|                   |                       |   |                                |                  |
|                   |                       |   |                                |                  |
|                   |                       |   |                                |                  |
|                   |                       |   |                                |                  |
|                   |                       |   |                                |                  |
|                   |                       |   |                                |                  |

### FOREIGN PATENT DOCUMENTS

| EXAMINER INITIALS | Cite No. <sup>1</sup> | Foreign Patent Document<br>Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup><br>(If Known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | T <sup>6</sup><br>( <input checked="" type="checkbox"/> ) |
|-------------------|-----------------------|---|--------------------------------|--|---|
| 1                 | WO0190317             |   | 11/29/2001                     | Jorgensen et al.                                   |   |
|                   |                       |   |                                |  |   |
|                   |                       |   |                                |  |   |
|                   |                       |   |                                |  |   |
|                   |                       |   |                                |  |   |

### OTHER DOCUMENTS

| EXAMINER INITIALS | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. |
|-------------------|-----------------------|--|
| 2                 |                       | BOUQUELET, S et al., Primary Structure of Ten Galactosides formed by Transglycosylation During Lactose Hydrolysis by Bifidobacterium Bifidum, Carbohydrate Research, Vol 201, 1990 pp 115-123 (ON ORDER)                                     |
| 3                 |                       | BLAKENEY, A., et al., A Simple and Rapid Preparation of Alditol Acetates for Monosaccharide Analysis, Carbohydrate Research, Elsevier Scientific Publishing Co., Vol 113 (1983) pp 291-299,  |
| 4                 |                       | GIBSON, G., et al., Dietary Modulation of the Human Colonic Microbiota: Introducing the Concept of Prebiotics, Critical Review, American Institute of Nutrition, 1995, pp 1401-1412  |

| EXAMINER SIGNATURE  | DATE<br>CONSIDERED |
|---|--------------------|
| EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at www.pto.gov or MPEP 901.4. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English Language Translation is attached. |                    |

|  |                        |                      |
|--|------------------------|----------------------|
| FORM PTO/SB/08A/B (10-01)<br>Substitute for PTO-1449A/B<br><br><b>INFORMATION DISCLOSURE</b><br><br><b>STATEMENT BY APPLICANT</b><br><br>(use as many sheets as necessary) | Attorney Docket Number | <b>56183/S307</b>    |
|  | Application Number     | 10/552,483           |
|  | Filing Date            | October 6, 2005      |
|  | Applicant(s)           | Glenn Gibson, et al. |
|  | Group Art Unit         | To be assigned       |
|  | Examiner Name          | To be assigned       |
|  |                        |                      |

#### OTHER DOCUMENTS

| EXAMINER INITIALS | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.                     |
|-------------------|-----------------------|--|
|                   | 5                     | MACFARLANE, G., et al., Validation of a Three-Stage Compound Continuous Culture System for Investigating the Effect of Retention Time on the Ecology and Metabolism of Bacteria in the Human Colon, Microbial Ecology, 1998, 35:180-187                          |
|                   | 6                     | CIUCANU, I., et al., A Simple and Rapid Method for the Permethylation of Carbohydrates, Carbohydrate Research, 131 (1984) pp 209-217, Elsevier Science Publishers  |
|                   | 7                     | MACCORMICK, C.A., et al., Characterization of a Variant of the Polysaccharide Acetan Produced by a Mutant of Acetobacter Xylinum Strain CR1/4, Journal of AppliedBacteriology 1993, 74, pp 196-199   |
|                   | 8                     | DOARES, Steven, et al., An Improved Method for the Preparation of Standards for Glycosyl-linkage Analysis of Complex Carbohydrates, Carbohydrate Research, 210 (1991) pp 311-317, Elsevier Science Publishers  |
|                   | 9                     | SWEET, David, et al., Quantitative Analysis by Various G.L.C. Response-Factor Theories for Partially Methylated and Partially Ethylated Alditol Acetates, Carbohydrate Research, 40 (1975) pp 217-225, Elsevier Science Publishers                               |
|                   | 10                    | CARPITA, N., et al., Linkage Structure of Carbohydrates by Gas Chromatography-Mass Spectrometry (GC-MS) of Partially Methylated Alditol Acetates, Analysis of Carbohydrates by GLC and MS, pp 157-216, Supplied by The British Library - "The World's Knowledge" |
|                   | 11                    | A Method for the Analysis of Sugars in Plant Cell-Wall Polysaccharides by Gas-Liquid Chromatography, Carbohydrate Research, 5, 1967, pp 340-345  |
|                   | 12                    | International Search Report for PCT/GB2004/002815 dated July 12, 2004.   |

MAC PAS730962.1-\*04/4/07 3:46 PM

|   |  |                    |  |
|---|--|--------------------|--|
| EXAMINER SIGNATURE  |  | DATE<br>CONSIDERED |  |
| EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at www.pto.gov or MPEP 901.4. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English Language Translation is attached. |  |                    |  |